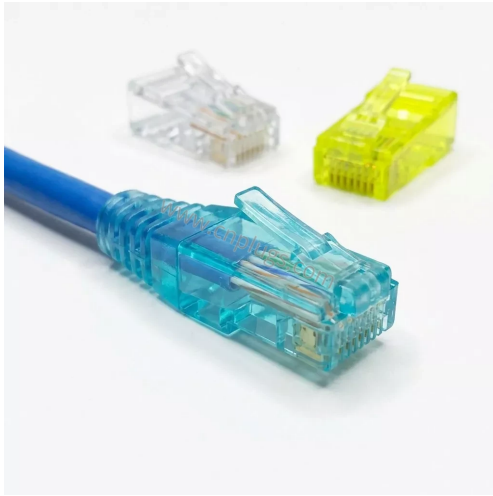


Standard Cat6 & Cat5e Plugs

Custom Color Cat5e UTP RJ45 Modular Plug Manufacturer

**Key specifications**

Product type	Custom-color Cat5e UTP RJ45 modular plug
Connector format	8P8C male plug
Category	Cat5e / 100MHz
Typical data application	1000BASE-T in a compliant Cat5e channel

Product summary

- **Cat5e UTP performance:** Unshielded 8P8C male modular plug designed for Gigabit Ethernet patch-cord and custom cable assembly.
- **Color-coded identification:** Blue, clear, fluorescent yellow-green, purple, cyan and other custom colors simplify port, VLAN and cable-group management.
- **Transparent PC housing:** Tinted polycarbonate keeps conductor position visible during loading and quality inspection.
- **Gold-plated contacts:** Multiple plating options support different durability, corrosion-resistance and project requirements.
- **Standard crimp termination:** One-piece closed-end structure works with a compatible RJ45 crimp tool; this is not a pass-through plug.
- **Cable-fit options:** Versions are available for common 24-26 AWG solid or stranded round Cat5e UTP cables.
- **Professional cable organization:** Colored connectors help distinguish departments, applications, security zones and patch-cord lengths.
- **Factory-direct OEM/ODM:** PROUNTA supports custom Pantone colors, gold plating, bulk packaging, private labels and cable-fit verification.

Product page:

<https://www.cnplugs.com/product/custom-color-cat5e-utp-rj45-modular-plug/>

Category: Standard Cat6 & Cat5e Plugs

Contact & technical support

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Product details

Custom Color Cat5e UTP RJ45 Modular Plugs for Organized Gigabit Networks

PROUNTA manufactures custom-color Cat5e UTP RJ45 modular plugs for patch-cord factories, networking brands, distributors, installers and OEM equipment suppliers. These unshielded 8P8C male crimp plugs combine standard Cat5e connectivity with transparent colored polycarbonate housings. Blue, clear, fluorescent yellow-green, purple, cyan, red and other colors help users identify cable groups without covering the connector with a separate label.

The colored housing does not change Ethernet performance. Category compliance depends on contact geometry, cable fit, materials, termination and testing. The transparent tint keeps conductor placement visible while providing an easy visual code for racks, patch panels, offices, CCTV installations and custom cable products. For connector terminology, see Wikipedia's [modular connector](#) overview.

Category 5e cabling is designed for 100MHz operation and Gigabit Ethernet across a compliant channel. A colored plug should therefore be evaluated with the intended cable and crimp process, not approved from appearance alone. Wire map, insertion loss, return loss and near-end crosstalk determine whether the finished cord performs correctly. For category background and standard pin assignments, review Wikipedia's [Category 5 cable](#) article before defining the specific project test requirement.

Color Coding for Faster Network Management

Color-coded plugs can identify departments, VLANs, floors, device types, security zones or patch-cord lengths. A customer may use blue for office data, yellow for uplinks, purple for audio-visual systems and cyan for cameras. This method helps technicians trace connections during maintenance and reduces dependence on small labels that may detach or become unreadable.

Standard translucent colors are available, and qualified OEM projects can request Pantone matching, special transparency or coordinated plug-and-boot colors. Final color approval should use a physical sample because resin grade, wall thickness and lighting affect appearance.

Transparent Polycarbonate and Gold-Plated Contacts

The one-piece housing is molded from transparent polycarbonate for impact resistance, dimensional stability and conductor inspection. Proper resin drying and molding control are important because shrinkage, flash or brittle latches can affect crimping and mating. UL 94 V-0 or V-2 material options may be available, but flammability classification does not prove Cat5e performance.

Eight copper-alloy contacts are plated with nickel and gold at the functional mating area. Common OEM options include flash, 3µin, 6µin, 15µin, 30µin and 50µin. Thicker hard gold generally provides more wear and corrosion margin; it does not directly increase network speed. Plating should be specified and verified for the intended application.

Cable Compatibility and Crimping

Select the connector by actual cable construction rather than Cat5e labeling alone. The supplier needs cable jacket OD, insulated conductor OD, AWG and solid or stranded structure. A conductor hole that is too small makes loading difficult; one that is too large can allow contact misalignment. Use the approved crimper and verify that the cable jacket enters far enough for strain relief.

This model is a closed-end standard plug. Conductors must be arranged to T568A or T568B, trimmed evenly and inserted fully before crimping. Installers seeking open-nose designs should compare PROUNTA's [pass-through RJ45 connectors](#). For standard transparent options, review the [Cat5e UTP 3-prong RJ45 plug](#).

Applications and OEM Production

Colored Cat5e modular plugs are suitable for office LANs, schools, hotels, CCTV systems, telecom rooms, retail networks, residential cabling and factory patch-cord production. They are especially useful when several cable groups share one rack or panel. Optional matching [RJ45 strain relief boots](#) can extend the color-management system while protecting the latch.

PROUNTA supports color sample approval, contact selection, plating verification, housing molding, visual inspection and bulk packaging. OEM/ODM buyers can request mixed-color bags, single-color cartons, barcode labels, jars and private-label packaging. Browse the [standard Cat5e and Cat6 plug range](#) for related models.

Source Custom Color Cat5e RJ45 Connectors from PROUNTA

Consistent color, accurate molding, stable contact plating and verified cable fit are essential for reliable bulk production. PROUNTA helps networking brands and cable factories approve colored Cat5e RJ45 plug samples before OEM or private-label manufacturing.

Technical specifications

Specification	Published value
Product type	Custom-color Cat5e UTP RJ45 modular plug
Connector format	8P8C male plug
Category	Cat5e / 100MHz
Typical data application	1000BASE-T in a compliant Cat5e channel
Shielding	UTP / unshielded
Termination structure	One-piece, closed-end crimp plug
Pass-through design	No
Typical conductor range	24–26 AWG; model dependent
Conductor construction	Solid or stranded versions available
Housing material	Transparent polycarbonate (PC)
Standard colors	Blue, clear, yellow-green, purple, cyan and red
Custom colors	Pantone matching available for qualified quantities
Contact base material	Phosphor bronze or specified copper alloy
Gold-plating options	Flash / 3μin / 6μin / 15μin / 30μin / 50μin
Contact style	2-prong or 3-prong option; confirm cable construction
Termination tool	Compatible standard RJ45 crimp tool
Standard packaging	100 pieces per bag or custom OEM packaging
Customization	Color, plating, contact, label, bag, jar and carton